



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200
Fax 613 632-5246

Purchasing Receipts

PO No	Supplier	Line Item No	Ref No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	F	
PO041321	MEC002-VU	5	1	Net 30	M7075T6S0.375X6.000	7075-T6S Sheet .375" Thick Plate X 6" Wide : MATERIAL: 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE SPECIFICATION: QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209 OR MATERIAL: 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE SPECIFICATION: QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4048 / 4049 OR ASTM B209					24	11/5/2018	24		S124675	Stock	11/2/2018	\$ 24.25 / ft	3	
							Total:	24		24										

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO041321

Supplier:	MEC002-VU Metaux Castle P.O. Box 4090 Stn A Toronto ON M5W 0E9 Canada	PO No:	PO041321
		PO Date:	10/11/18
		Due Date:	10/19/18
		Purchase Order Revision:	
		Revision Date:	
Ship To:	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	Ship-To Contact:	Lavoie, Chantal Phone: clavoie@dartaero.com
		Via:	Ground
		Pymt Terms:	Net 30
		Freight Terms:	
		Special Comments:	

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
5		M7075T6S0.375X6.000		7075-T6S Sheet .375" Thick Plate X 6" Wide : MATERIAL: 7075- T6/T62/T651 ALUMINUM SHEET OR PLATE SPECIFICATION: QQ-A-250/12 OR AMS-QQ-A- 250/12 OR AMS 4045 OR ASTM B209 OR MATERIAL: 7075- T6/T62/T65/ ALCLAD ALUMINUM SHEET OR PLATE SPECIFICATION: QQ-A-250/13 OR AMS-QQ-A- 250/13 OR AMS 4048 / 4049 OR ASTM B209	Firmed -		11/5/18	24 ft	0 ft	24 ft	\$24.25/ft	\$582.00

Grand Total: \$582.00

CL.



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

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PURCHASE ORDER PO041321

Order Notes

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

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A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:3740859

Ship From:	Sold To:	Ship To:	Deliver To:				
A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA				
Date Shipped	F.O.B.	Freight Terms	Carrier	BOL No			
29-OCT-18	ORIGIN	Prepaid	MANITOULIN	3740859-2			
Shipment Details							
Final Destination Branch - TOR							
Order No	Line No	Item No	Description				
5287875	1	750067.MO	0.3750.PL.7075.T651.ALUMINUM.48.5000.144.5000 CUT LENGTH TO 6 IN () X 144.5 IN (+ .1250/- .0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12				
Purchase Order No	Part Number	Ordered Qty	Invoice Qty				
41321	2.00 PCS	2.00 PCS	2.00 PCS				
Details	ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS						
Delivery No.	Mill/Source	Part Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
122304439	KAI SER ALUMINUM	 2 8 4 9 4 7 B 9		2			68.1271

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications for material part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer, cannot be returned for credit.
Reviewed by Authorized Castle Metals Representative:  Steve Kalous L2018

CL99h99C

SHIP TO:
A M CASTLE & CO
3050 SOUTH HYDRAULIC
WICHITA, KS 67216

SOLD TO:
AM CASTLE & CO- SOLD TO
1420 KENSINGTON RD
SUITE 220
OAK BROOK, IL 60523

KAISER
ALUMINUM

Trentwood Works
PO Box 15108, Spokane Valley WA 99215-5108
15000 E Euclid, Spokane Valley WA 99216
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4528208

CUSTOMER PO NUMBER:	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD:	GOVT CONTRACT NUMBER:	
470853-1		750067	104392/12		
KAISER ORDER NO:	SHIP DATE:	ALLOY:	CLAD:	TEMPER:	
1263284-1	15-SEP-2018	7075	BARE	T651	Product Description: Sawed Plate
WEIGHT SHIPPED:	QUANTITY:	TRUCK BL #:	GAUGE:	DIAMETER/WIDTH:	LENGTH:
2682 LB	10 PCS EST.	2076090	0.3750 IN (9.5250 MM)	48.500 IN (1231.9 MM)	144.500 IN (3670.3 MM)

MHU 2264266: LOT 284947B9: 10 pieces;

Certified Specifications

AMS 4045/RevL
CMMMP 025/RevV

AMS-QQ-A-250/12/RevA

ASTM B 209/Rev14

Test Code: 1512
Lot: 284947B9 Cast 698

Drop 44

Test Results
Ingot 2

Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	85.1 : 85.1 (587 : 587)	74.5 : 74.5 (514 : 514)	14.1 : 14.2

Chemistry:	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	TOT	0.03
Actual(wt%)	0.08	0.18	1.5	0.03	2.4	0.20	5.7	0.03	0.01	0.01			

ALLOY LIMITS

	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

ORDER COMMENTS

AMC CA-15409 R 4





CERTIFIED TEST REPORT

Serial Number
4528208

Trentwood Works
PO Box 15108, Spokane Valley WA 99215-5108
15000 E Euclid, Spokane Valley WA 99216
Phone: (800) 367-2586

CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- * was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- * has been thermally processed in compliance with AMS 2772, where applicable.
- * is mercury free, within the limits of detection of ASTM E1215 (< 1ppm).
- * is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- * is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- * is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- * is free of weld repair.
- * meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificates may be punished as a felony under federal law.

Michael Peske, PT Lab Process Engineer



Page 2 of 2

SPECIFICATION CONTROL DRAWING

A PURCHASE MATERIAL: M7075-T6/T62/T651 ALUMINUM SHEET OR PLATE

SPECIFICATION:
QQ-A-250/12 OR AMS-QQ-A-250/12
OR AMS 4048 / 4049
OR ASTM B209

OR

B PURCHASE MATERIAL: 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE

SPECIFICATION:
QQ-A-250/13 OR AMS-QQ-A-250/13
OR AMS 4048 / 4049
OR ASTM B209

C PART NUMBER:

M7075T6S |TTT| X |W|WWW|
|THK| |WIDTH|

WHERE "TTT" = THICKNESS (IN INCHES)
AND "W WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

E.G. 0.063" THICK SHEET = M7075T6S 063

E.G. 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.500X3.500

D PREFERRED SIZE:
.750 BY 4FT BY 10FT FOR SHEET

RELEASED
2017 JUN 19 ✓
ECN 17-574

		B	ADD REF TO "PLATE" "T651" TEMPER, AMS 4048, OR 4049	CP	17.05.05
		A	NEW ISSUE	RF	10.11.08
REV.			DESCRIPTION	BY	DATE
DESIGN	RF				
DRAWN	CP				
CHECKED	ML				
MFG. APPR.	LL				
APPROVED	WM				
DE APPR.	DS				
DATE	17.05.05				

		B	ADD REF TO "PLATE" "T651" TEMPER, AMS 4048, OR 4049	CP	17.05.05
		A	NEW ISSUE	RF	10.11.08
REV.			DESCRIPTION	BY	DATE
DESIGN	RF				
DRAWN	CP				
CHECKED	ML				
MFG. APPR.	LL				
APPROVED	WM				
DE APPR.	DS				
DATE	17.05.05				

APPROVED

DATE

SCALE

SHEET 1 OF 1

REV. B

HAWKESBURY, ONTARIO, CANADA

DART AEROSPACE LTD

A

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MAY BE COPIED, REPRODUCED, OR TRANSFERRED
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WITHOUT THE PRIOR WRITTEN CONSENT OF DART
AEROSPACE LTD.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075 T650.375x6.000
 DATE: 10/11/05

PO / BATCH NO.: P0041321 S124675

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 240P
 QUANTITY INSPECTED: 240P
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375"
 THICKNESS RECEIVED: 0.375"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL PER M-DRAWING	Y	N	ASTM B209
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT REF # TO LINK CERT	Y	N	417.28494789
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>A</u> DATE: <u>10/11/05</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in